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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=7; day=15; hr=14; min=58; sec=58; ms=932;]

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Application No: 10553979

Version No: 3.0

Input Set:

Output Set:

Started: 2009-07-01 18:26:07.480

Finished: 2009-07-01 18:26:13.048

Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 568 ms

Total Warnings: 142

Total Errors: 0

No. of SeqIDs Defined: 170

Actual SeqID Count: 170

| Error code | Error Description |
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| W 213 | Artificial or Unknown found in <213> in SEQ ID (1) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (2) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (3) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (4) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (5) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (6) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (7) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (8) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (9) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (10) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (11) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (12) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (13) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (14) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (15) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (16) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (17) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (18) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (19) |
| W 213 | Artificial or Unknown found in <213> in SEQ ID (20) |

Input Set:

Output Set:

Started: 2009-07-01 18:26:07.480
Finished: 2009-07-01 18:26:13.048
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 568 ms
Total Warnings: 142
Total Errors: 0
No. of SeqIDs Defined: 170
Actual SeqID Count: 170

| Error code | Error Description |
|------------|---|
| | This error has occurred more than 20 times, will not be displayed |
| W 402 | Undefined organism found in <213> in SEQ ID (131) |
| W 402 | Undefined organism found in <213> in SEQ ID (132) |
| W 402 | Undefined organism found in <213> in SEQ ID (133) |
| W 402 | Undefined organism found in <213> in SEQ ID (134) |
| W 402 | Undefined organism found in <213> in SEQ ID (135) |
| W 402 | Undefined organism found in <213> in SEQ ID (136) |
| W 402 | Undefined organism found in <213> in SEQ ID (137) |
| W 402 | Undefined organism found in <213> in SEQ ID (138) |
| W 402 | Undefined organism found in <213> in SEQ ID (139) |
| W 402 | Undefined organism found in <213> in SEQ ID (156) |
| W 402 | Undefined organism found in <213> in SEQ ID (157) |

SEQUENCE LISTING

<110> NAKASHIMA, NOBUTAKA
TAMURA, TOMOHIRO

<120> METHOD OF PRODUCING RECOMBINANT PROTEIN IN BACTERIUM
BELONGING TO GENUS RHODOCOCCLUS

<130> 081356-0253

<140> 10553979

<141> 2005-10-20

<150> PCT/JP04/005585

<151> 2004-04-19

<150> JP 2003116280

<151> 2003-04-21

<160> 170

<170> PatentIn Ver. 3.3

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<212> DNA

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<223> Description of Artificial Sequence: Synthetic

primer sHN120

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<210> 4

<211> 29

<212> DNA

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<212> DNA

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primer sHN122

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<210> 6

<211> 31

<212> DNA

<213> Artificial Sequence

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primer sHN123

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<211> 28

<212> DNA

<213> Artificial Sequence

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28

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| <211> 24 | |
| <212> DNA | |
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| <400> 8 | |
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| <210> 9 | |
| <211> 23 | |
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| <400> 9 | |
| agcggataac aatttcacac agg | 23 |
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| <210> 10 | |
| <211> 19 | |
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| <213> Artificial Sequence | |
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| <223> Description of Artificial Sequence: Synthetic primer sHN10 | |
| <400> 10 | |
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| <210> 11 | |
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| <212> DNA | |
| <213> Artificial Sequence | |
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| <223> Description of Artificial Sequence: Synthetic primer sHN11 | |
| <400> 11 | |
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| <210> 12 | |
| <211> 24 | |
| <212> DNA | |
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primer NEB1224

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<210> 13
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primer sHN40

<400> 13
atgagctact ccgtgggaca ggtg 24

<210> 14
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primer sHN41

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<210> 15
<211> 26
<212> DNA
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primer sHN42

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<210> 16
<211> 20
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primer sHN43

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tgcaagctcc tatgtaaacg 20

<210> 17
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primer sHN55

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cgcttgctcc acggccgcc 19

<210> 18
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primer sHN56

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<210> 19
<211> 19
<212> DNA
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primer sHN57

<400> 19
cgccccctcg gagtcggcg 19

<210> 20
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primer sHN58

<400> 20
atggacgccg ccgaggac 18

<210> 21

<211> 26
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 primer sHN147

 <400> 21
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 <210> 22
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 primer sHN39

 <400> 22
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 <210> 23
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 <212> DNA
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 <223> Description of Artificial Sequence: Synthetic
 primer sHN36

 <400> 23
 accatggatc aggaatgcat ag 22

 <210> 24
 <211> 59
 <212> DNA
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 primer sHN37

 <400> 24
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 <210> 25
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 <212> DNA
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<223> Description of Artificial Sequence: Synthetic
primer sHN6

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cgtctagagt cccgctgagg cggcgtagc 29

<210> 26
<211> 29
<212> DNA
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primer sHN9

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ctactagtcg acccaccggc acccgtgag 29

<210> 27
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primer sHN141

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<210> 28
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primer sHN142

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<210> 29
<211> 33
<212> DNA
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primer sHN145

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gcactcgaga tgaaatctaa caatgcgctc atc 33

<210> 30
<211> 30
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
primer sHN152

<400> 30
agactagtcc tcaacgacag gagcacgac 30

<210> 31
<211> 22
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
primer T7

<400> 31
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<210> 32
<211> 20
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
primer sHN153

<400> 32
aatccacagg acgggtgtgg 20

<210> 33
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<223> Description of Artificial Sequence: Synthetic
primer sHN154

<400> 33
ctctacgccg gacgcatcg 19

<210> 34
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer T3

<400> 34

gcaattaacc ctcactaaag gg

22

<210> 35

<211> 20

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
primer sHN155

<400> 35

acgacgctct cccttatgcg

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<210> 36

<211> 19

<212> DNA

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primer sHN156

<400> 36

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<211> 67

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
primer sHN110

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gcctcct 67

<210> 38

<211> 77

<212> DNA

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<223> Description of Artificial Sequence: Synthetic

primer NNco1

<400> 38

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tagatctcga ggatgaa 77

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<211> 77

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<223> Description of Artificial Sequence: Synthetic
primer NNco2

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tgatggtgat ggtggcc 77

<210> 40

<211> 71

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
primer CNco1

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ccatcactga a 71

<210> 41

<211> 71

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer CNco2

<400> 41

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cgtagaattc c 71

<210> 42

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer sHN159

<400> 42
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<210> 43
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 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic
 primer NNde1

<400> 43
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 gcttagatct cgaggatgaa 80

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 primer NNde2

<400> 44
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<210> 45
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 <223> Description of Artificial Sequence: Synthetic
 primer CNde1

<400> 45
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 primer CNde2

<400> 46

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<210> 47

<211> 32

<212> DNA

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primer sHN160

<400> 47

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<211> 41

<212> DNA

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<223> Description of Artificial Sequence: Synthetic
primer sHN343

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<211> 8166

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
vector pTip-NH1 sequence

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| | | | | | | |
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| cgtcagtgat | gatcacctca | cacggcagcg | atcaccactg | acatatcgag | gtcaacggtc | 1080 |
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| tagagtaacg | ggctactccg | tttaacggac | cccgttctca | cgctttagge | ttgaccccgg | 1200 |
| agcctgcatg | gggcatttccg | ccgtgaaccc | ggtggaatgc | ccccggcacc | cgggctttcc | 1260 |
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| gcatgcacca | ttccttgccg | cggcggtgct | caacggcctc | aacctactac | tgggctgctt | 1860 |
| cctaatagcag | gagtcgcata | agggagagcg | tcgtccgatg | cccttgagag | ccttcaaccc | 1920 |
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| gacaataacc | ctgataaatg | cttcaataat | attgaaaaag | gaagagtatg | agtattcaac | 3960 |
| atttccgtgt | cgccttatt | cccttttttg | cggcattttg | ccttcctgtt | tttgetcacc | 4020 |
| cagaaacgct | ggtgaaagta | aaagatgctg | aagatcagtt | gggtgcacga | gtgggttaca | 4080 |
| tcgaactgga | tctcaacagc | ggtaagatcc | ttgagagttt | tcgccccgaa | gaacgttttc | 4140 |
| caatgatgag | cactttttaa | gttctgctat | gtggcgcggt | attatcccg | attgacgccg | 4200 |
| ggcaagagca | actcggtcgc | cgcatacact | attctcagaa | tgacttggtt | gagtactcac | 4260 |
| cagtcacaga | aaagcatctt | acggatggca | tgacagtaag | agaattatgc | agtgtgcc | 4320 |
| taaccatgag | tgataaacact | gcggccaact | tacttctgac | aacgatcgga | ggaccgaagg | 4380 |
| agctaaccgc | ttttttgcac | aacatggggg | atcatgtaac | tcgccttgat | cgttgggaac | 4440 |

cggagctgaa tga